

Title: Triacylglycerol Lipases Inventor: Edgar B. Cahoon et al. Application No.: 09/699,652 Docket No.: BB1168 US NA

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FIGURE

180 LADNGFDVWIANTRGTRYSRRHISLDPSSQAYWNWSWDELVSYDFPAVFNYVFSQTGQ-K LADHGFDVWVGNVRGTRWSHGHISLLEKKKQFWDWSWQELALYDVAEMINYINSVTNS\_K -LLLTAASVISTLGTTHGLFGKLHPTNPEVTMNISQMITYWGYPAE -DPELHMTTPQIIERWGYPAM MAMAGHAPGGALPL-ILLVVSCCGRIVSGASPAAAALRRVGSGSGGLCDQLLLPLGYPCT MALLGLMSFAALTLFLVLTT---VPRQAHASSRGNLGRNINPSVYGICASSVIVHGYKCQ SICEELIIPYGYPCS 9 IYTVATDDGYILEMHRIPFGKTNVTWPNGKR-PVVFMQHGLLCASSDWVVNLPDQSAGFL EHNVETKDGFLLSLQHIPHGKN---KAADSTGPPVFLQHGLFQGGDTWFINSAEQSLGYI EHEVTTDDGYILSLQRIPEGRG-KSSGSGTRKQPVVIQHGVLVDGMTWLLNPPEQDLPLI EHTIQTKDGFLLGLQRVSSSSSLRLRNHGDGGPPVLLLHGLFMAGDAWFLNTPEQSLGFI LADAGYDVWLGNSRGNTWARRNLYYSPDSVEFWAFSFDEMAKYDLPATIDFILKKTGQDK FADAGFDVWLGNMRGNTYSMKHKDLKPSHSAFWDWSWDEMATYDLNAMINHVLEVTGQDS LADNGFDVWIGNVRGTRWSKGHSTFSVHDKLFWDWSWQELAEYDLLAMLGYVYTVTQS-K EYEVVTEDGYILGIDRIPYGRKNSE-NIGRR-PVAFLQHGLLASATNWISNLPNNSLAFI MRIQRFLATLAITVSILLGNGNPVQCFDGGSHQKQQH-FAVFLAAFFVQDVVGSHG-++\*\* +++\* \*\*\* MWR NO:20 NO:37 NO:20 NO:18 No:20 NO:38 NO:14 NO:38 NO:14 NO:18 NO:37 NO:38 NO:14 NO:18 NO:37 ΠD ID П ID QI ID QI QI QI QI П ΠD QI ID SEQ SEQ SEQ SEQ SEO SEQ SEQ SEQ SEO SEQ SEQ SEO SEQ SEO SEQ

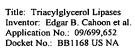






FIGURE 1B

+ *** ** ++ ++ ++ ++ ++ ++ ++ ++ ++   LHYVGHSQGTTIGFIAFSTNP-KLAKRIKTFYALAPVATVKYTETLLNKLMLVPSFLFKL VYYMGHSQGTLTMFSHLSKDDGSFAKKIKKFFALAPIGSVKHIKGFLSFFANY-FSL ILYVGHSQGTLTMGLAALTMPEIVKMISSAALLCPISYLDHVSASFV-LRAVAMHLDQM INYVGHSLGTLVALASFSEGKLVTQLKSAALLSPIAYLSHMNTALG-VVAPKSFVGEI IFVVGHSQGTIISLAAFTQPEIVEKVEAAALLSPISYLDHVSAPLV-LRMVKMHIDEM 181	* * * * + * + * + * + * * * * * * * * *	++ * * * * * + * + + + + + + + + + + +
SEQ ID NO:37 SEQ ID NO:38 SEQ ID NO:14 SEQ ID NO:18 SEQ ID NO:20	SEQ ID NO:37 SEQ ID NO:38 SEQ ID NO:14 SEQ ID NO:18 SEQ ID NO:20	SEQ ID NO:37 SEQ ID NO:38 SEQ ID NO:14 SEQ ID NO:18 SEQ ID NO:20

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## FIGURE 1C

SEQ ID NO:37	VWNGGNDLLADPHDVDLLLSKL-PNLIYHRKIPPYNHLDFIWAMDAPQAVYNEIV
SEQ ID NO:38	YLYWSDADWLADTPDVPDYLLTRINPAIVAQNNHLPDYNHLDFTWGLRAPDDIYRPAI
SEQ ID NO:14	IWMGYGGLDALADVTDVQRTIRELGSTPELLYIGDYGHIDFVMSVKAKDDVYVDLI
SEQ ID NO:18	LFISYGGRDALSDVRDVENLLDKLKFHDENKRSVQFIQEYAHADYIMGFNAKDLVYNAVL
SEQ ID NO:20	LWMAYGGNDALADITDFQHTLKELPSPPEVVYLENYGHVDFILSLQAKQDLYDPMI
	361

SMMGTD---NK KLCTDD--YLGK ID NO:37 ID NO:38 ID NO:14

SFFNHQ----V SFFKSSGKFSSM 421 433 RFLRENGWHNSY NO:18 NO:20